IN THE CLAIMS

Please amend the claims as follows:

49. (Amended) A method of controlling a temperature of a microprocessor, [wherein the microprocessor performs] comprising the steps of:

a) generating a temperature signal within the microprocessor indicative of the temperature of the microprocessor;

b) comparing the temperature signal with a first threshold temperature level within the microprocessor;

c) generating an interrupt signal if the temperature signal indicates that the first threshold temperature level has been exceeded; and

d) decreasing a microprocessor clock frequency in response to the interrupt signal.

51. (Amended) A method of controlling a temperature of a microprocessor, [wherein the microprocessor performs] comprising the steps of:

a) generating a temperature signal within the microprocessor corresponding to the temperature of the microprocessor;

b) comparing the temperature signal with a first threshold temperature level within the microprocessor;

c) generating an interrupt signal if the temperature signal indicates that the first threshold temperature level has been exceeded; and

d) activating an active cooling device to decrease the microprocessor temperature in response to the interrupt signal.

In claim 54, line 3, after "signal" insert --within the microprocessor--.

58. (Amended) The method of claim 54 wherein step d) further comprises the steps of:

i) driving the clock signal at a first frequency if neither the first threshold signal nor the second threshold signal are asserted; and

ii) driving the clock signal at a second frequency if the first threshold signal is asserted and the second threshold signal is not asserted, wherein the second frequency is less than the first frequency.

[step of driving the clock signal at an intermediate frequency if the second threshold signal is asserted and the first threshold signal is deasserted.]